CW#52&HW#52: HL Congruence

Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

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| You will be able to determine when and how to use the hypotenuse-leg congruence theorem to prove that two triangles are congruent. | | |
|  | | Criteria for HL Congruence: |
| Example: Do triangle IKJ and triangle KJH meet the Hypotenuse-leg criteria?  Given | | |
| Directions: Determine if each of the triangles meet the criteria for HL congruence. | | |
| Criteria for Success: Did you…   * Annotate given information * Write congruency statements for given information and information determined by prior knowledge (how/evidence) * State a claim. (what/claim) * If your claim is that they are congruent, did you use a congruence theorem to support your claim? (why/reasoning) | | |
| 1. ../../../Desktop/Screen%20Shot%202015-11-27%20at%2012.09.25%20PM.png | 1. ../../../Desktop/Screen%20Shot%202015-11-27%20at%2012.09.28%20PM.png | |

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| Directions:  Pt I: Determine if the triangles are congruence. If so, choose which theorem/postulate you would use to prove they are congruent.  Pt. II: \*\*COMPLETE IN YOUR NOTEBOOK\*\* - Choose 4 of the 8 problems below where you claim the triangles are congruent. For each of the 4 you chose, write out a proof (in at least 2 complete sentences) to show that the triangles are or are not congruent. | |
| Criteria for Success: Did you…   * Annotate given information * Write congruency statements for given information and information determined by prior knowledge (how/evidence) * State a claim. (what/claim) * If your claim is that they are congruent, did you use a congruence theorem to support your claim? (why/reasoning) | |
| 5. | 6. |
| ../../../../../Desktop/Screen%20Shot%202015-11-28%20at%2011.29.09%20AM7. | 8. |
| 9. | 10. |
| ../../../../../Desktop/Screen%20Shot%202015-11-28%20at%2011.30.50%20AM7) | 8) |